

From: Li, Ruixiang
Sent: Friday, June 25, 2004 10:16 AM
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Subject: Sequence search of Application No.09/944,884

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- (i). SEQ ID NO: 2 against interference amino acid sequence databases; Please list a summary table with 500 hits only, without the sequence alignment.
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Thank you very much!

Ruixiang Li
GAU 1646
REM 4D75
Mail Box 4C70
(571) 272-0875

Searcher: _____
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Full text: _____
Patent Family: _____
Other: _____

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STN: _____
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Lexis/Nexis: _____
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OM nucleic - nucleic search, using sw model

Run on: June 29, 2004, 20:28:44 ; Search time 201 Seconds

6775.371 Million cell updates/sec
 (without alignments)

Perfect score: 2454 US-09-944-884-1
 Sequence: 1 ggactaattctgtggagcag.....taaaaatattgtgttaat 2454

Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing First 500 summaries

Database : Issued_Patents_NA:*

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6: /cgmn2_6/_ptodata/2/_ina/backfile1_seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
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2	1136.6	46.3	2305	4	US-09-724-864-8	Sequence 8, Appli
3	295.4	12.0	1002	1	US-08-442-063A-26	Sequence 26, Appli
4	295.4	12.0	1026	1	US-08-2722-919-1	Sequence 1, Appli
5	295.4	12.0	1026	1	US-08-619-916-1	Sequence 1, Appli
6	295.4	12.0	1026	5	PCT-US95-08544-1	Sequence 1, Appli
7	295.4	12.0	4167	4	US-09-169-768-12	Sequence 12, Appli
8	291.4	11.9	1685	6	5340934-1	Patent No. 5340934
9	282.6	11.5	1593	6	5340934-3	Patent No. 5340934
10	271.6	11.1	924	1	US-08-442-063A-47	Sequence 47, Appli
11	243	9.9	849	1	US-08-442-063A-44	Sequence 44, Appli
12	189.8	7.7	711	1	US-08-442-063A-41	Sequence 41, Appli
13	158.6	6.5	567	1	US-08-442-063A-38	Sequence 38, Appli
14	150.2	6.1	334	4	US-09-339-381-1389	Sequence 1389, Appli
15	131	5.3	426	1	US-08-442-063A-35	Sequence 35, Appli
16	86.8	3.5	291	1	US-08-442-063A-32	Sequence 32, Appli
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C 21	73.4	3.0	301	4	US-09-43-826B-73	Sequence 73, Appli
C 22	73.4	3.0	301	4	US-09-604-287B-73	Sequence 73, Appli
C 23	73.4	3.0	301	4	US-09-285-480-73	Sequence 73, Appli
C 24	73.4	3.0	301	4	US-09-83-759-73	Sequence 73, Appli
C 25	58.4	2.4	1416	4	US-09-381-388-859	Sequence 859, Appli
C 26	55.4	2.3	19124	2	US-08-487-826B-13	Sequence 13, Appli
C 27	54.6	2.2	7218	1	US-08-232-463-14	Sequence 14, Appli

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30	51.2	2.1	4203	3	US-09-866-057-1	Sequence 1, Appli
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32	50.6	2.1	3349	4	US-09-169-568-13	Sequence 13, Appli
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34	50	2.0	2082	3	US-09-410-572-4	Sequence 4, Appli
35	49.6	2.0	2612	4	US-09-495-050A-214	Sequence 214, Appli
36	49.6	2.0	813	4	US-09-833-381-1196	Sequence 11, Appli
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38	48	2.0	1337	4	US-09-538-871-1	Sequence 1, Appli
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C 57	44	1.8	2733	2	US-09-598-878-3	Sequence 3, Appli
C 58	44	1.8	3701	3	US-08-845-258-10	Sequence 10, Appli
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6	295.4	12.0	1026	5	PCT-US95-08544-1	Sequence 1, Appli
7	295.4	12.0	4167	4	US-09-169-768-12	Sequence 12, Appli
8	291.4	11.9	1685	6	5340934-1	Patent No. 5340934
9	282.6	11.5	1593	6	5340934-3	Patent No. 5340934
10	271.6	11.1	924	1	US-08-442-063A-47	Sequence 47, Appli
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15	131	5.3	426	1	US-08-442-063A-35	Sequence 35, Appli
16	86.8	3.5	291	1	US-08-442-063A-32	Sequence 32, Appli
C 17	73.4	3.0	301	4	US-09-222-575-73	Sequence 73, Appli
C 18	73.4	3.0	301	4	US-09-388-681-73	Sequence 73, Appli
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C 25	58.4	2.4	1416	4	US-09-381-388-859	Sequence 859, Appli
C 26	55.4	2.3	19124	2	US-08-487-826B-13	Sequence 13, Appli
C 27	54.6	2.2	7218	1	US-08-232-463-14	Sequence 14, Appli

11049

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c 157	39.4	1.6	6471	3	US-09-353-555-1	Sequence 1, Appli
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c 162	39.2	1.6	2290	4	US-09-902-775A-72	Sequence 72, Appli
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c 168	39	1.6	2255	2	US-08-791-134-1	Sequence 1, Appli
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c 173	39	1.6	6265	4	US-09-129-112-3	Sequence 3, Appli

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C 250	64.7	US-08-938-416-595	Sequence 2652, App1	1.5	6182	4	US-10-204-708-88
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C 283	37.6	US-09-357-206A-24	Sequence 24, App1	1.5	1275	1	US-09-149-227-3
C 284	37.6	US-09-357-206A-25	Sequence 25, App1	1.5	1275	1	US-09-149-227-3
C 285	37.6	US-09-357-206A-26	Sequence 26, App1	1.5	1275	1	US-09-149-227-3
C 286	37.6	US-08-61-663A-1	Sequence 1, App1	1.5	1275	1	US-09-149-227-3
C 287	37.6	PCT-US95-07154A-1	Sequence 87, App1	1.5	1275	1	US-09-149-227-3
C 288	37.6	US-09-21-976-206A-9	Sequence 9, App1	1.5	1275	1	US-09-149-227-3
C 289	37.6	US-09-357-206A-1	Sequence 1, App1	1.5	1275	1	US-09-149-227-3
C 290	37.6	US-09-813-742A-87	Sequence 1, App1	1.5	1275	1	US-09-149-227-3
C 291	37.6	US-09-357-206A-22	Sequence 22, App1	1.5	1275	1	US-09-149-227-3
C 292	37.6	US-10-204-708-75	Sequence 23, App1	1.5	1275	1	US-09-149-227-3
C 293	37.6	US-09-833-381-1395	Sequence 1395, App1	1.5	1275	1	US-09-149-227-3
C 294	37.6	US-09-521-976-16676	Sequence 16676, App1	1.5	1275	1	US-09-149-227-3
C 295	37.6	US-08-451-402A-2	Sequence 4, App1	1.5	1275	1	US-09-149-227-3
C 296	37.6	PCT-US94-03705-4	Sequence 5221620	1.5	1275	1	US-09-149-227-3
C 297	37.6	US-07-779-68B-3	Sequence 11, App1	1.5	1275	1	US-09-149-227-3
C 298	37.6	US-09-833-381-1395	Sequence 116, App1	1.5	1275	1	US-09-149-227-3
C 299	37.6	US-09-916-421B-2	Sequence 2, App1	1.5	1275	1	US-09-149-227-3
C 300	37.6	US-09-621-976-18777	Sequence 18777, App1	1.5	1275	1	US-09-149-227-3
C 301	37.6	US-09-621-976-2530	Sequence 2530, App1	1.5	1275	1	US-09-149-227-3
C 302	37.6	US-09-833-381-946	Sequence 946, App1	1.5	1275	1	US-09-149-227-3
C 303	37.6	US-09-601-198-36	Sequence 23, App1	1.5	1275	1	US-09-149-227-3
C 304	37.6	US-09-601-198-23	Sequence 11, App1	1.5	1275	1	US-09-149-227-3
C 305	37.6	US-08-933-381-1395	Sequence 56, App1	1.5	1275	1	US-09-149-227-3
C 306	37.6	US-10-204-708-36	Sequence 36, App1	1.5	1275	1	US-09-149-227-3
C 307	37.6	US-08-413-118-126	Sequence 1, App1	1.5	1275	1	US-09-149-227-3
C 308	37.6	US-08-473-446-126	Sequence 19, App1	1.5	1275	1	US-09-149-227-3
C 309	37.6	US-09-601-198-36	Sequence 195, App1	1.5	1275	1	US-09-149-227-3
C 310	37.6	US-09-832-080-2	Sequence 2, App1	1.5	1275	1	US-09-149-227-3
C 311	37.6	US-08-916-421B-2	Sequence 3, App1	1.5	1275	1	US-09-149-227-3
C 312	37.6	US-09-621-976-2530	Sequence 16, App1	1.5	1275	1	US-09-149-227-3
C 313	37.6	US-07-867-106-19	Sequence 17, App1	1.5	1275	1	US-09-149-227-3
C 314	37.6	US-08-938-416-971	Sequence 18, App1	1.5	1275	1	US-09-149-227-3
C 315	37.6	US-09-832-080-2	Sequence 19, App1	1.5	1275	1	US-09-149-227-3
C 316	37.6	US-08-859-937-2	Sequence 20, App1	1.5	1275	1	US-09-149-227-3
C 317	37.6	US-08-979-80A-16	Sequence 21, App1	1.5	1275	1	US-09-149-227-3
C 318	37.6	US-09-517-849-16	Sequence 22, App1	1.5	1275	1	US-09-149-227-3
C 319	37.6	US-09-616-289-16	Sequence 23, App1	1.5	1275	1	US-09-149-227-3

393	36.4	1.5	5176	4	US-09-182-024A-1	Sequence 1, Appli
	36.4	1.5	5219	4	US-10-204-708-51	Sequence 51, Appli
	36.4	1.5	6040	4	US-10-204-708-69	Sequence 69, Appli
	36.4	1.5	6156	4	US-10-204-708-60	Sequence 60, Appli
	36.4	1.5	6314	1	US-08-211-430-1	Sequence 1, Appli
	36.4	1.5	11474	4	US-09-495-406-1	Sequence 1, Appli
	36.4	1.5	399	4	US-09-134-001C-2057	Sequence 205 ⁷ , Appli
	36.2	1.5	633	3	US-09-385-982-205	Sequence 206, Appli
	36.2	1.5	1374	4	US-09-601-198-138	Sequence 158, Appli
	36.2	1.5	2022	2	US-08-337-540-7	Sequence 7, Appli
	36.2	1.5	2320	4	US-09-016-334-1054	Sequence 1054, Appli
	36.2	1.5	2559	4	US-09-569-088A-109	Sequence 109, Appli
	36.2	1.5	2861	1	US-08-399-953-1	Sequence 1, Appli
	36.2	1.5	2861	1	US-08-459-415-1	Sequence 1, Appli
	36.2	1.5	2861	4	US-09-086-687-2	Sequence 1, Appli
	36.2	1.5	2861	4	PCT-US95-11131-1	Sequence 1, Appli
	36.2	1.5	3620	3	US-09-446-504-55	Sequence 55, Appli
	36.2	1.5	3620	4	US-09-71-266-55	Sequence 2, Appli
	36.2	1.5	3881	1	US-08-299-953-2	Sequence 2, Appli
	36.2	1.5	3881	1	US-08-459-415-2	Sequence 2, Appli
	36.2	1.5	412	1	US-09-086-687-2	Sequence 2, Appli
	36.2	1.5	413	1	PCT-US95-11231-2	Sequence 2, Appli
	36.2	1.5	414	1	US-10-204-708-90	Sequence 90, Appli
	36.2	1.5	415	4	US-10-204-708-6	Sequence 6, Appli
	36.2	1.5	416	4	US-10-204-708-24	Sequence 24, Appli
	36.2	1.5	417	2	US-10-204-708-27	Sequence 27, Appli
	36.2	1.5	418	2	US-10-204-708-27	Sequence 1, Appli
	36.2	1.5	419	2	US-09-94-823-1	Sequence 10, Appli
	36.2	1.5	420	3	US-09-79-211-10	Sequence 54, Appli
	36.2	1.5	421	3	US-08-714-918-54	Sequence 54, Appli
	36.2	1.5	422	3	US-09-265-315-54	Sequence 54, Appli
	36.2	1.5	423	3	US-09-265-315-54	Sequence 54, Appli
	36.2	1.5	424	3	US-09-266-417-54	Sequence 54, Appli
	36.2	1.5	425	3	US-09-266-417-54	Sequence 54, Appli
	36.2	1.5	426	3	US-09-52-745-54	Sequence 54, Appli
	36.2	1.5	427	3	US-09-622-976-16048	Sequence 16048, Appli
	36.2	1.5	428	3	US-09-956-171E-698	Sequence 698, Appli
	36.2	1.5	429	3	US-09-956-171E-698	Sequence 698, Appli
	36.2	1.5	430	3	US-09-671-317-47	Sequence 447, Appli
	36.2	1.5	431	3	US-07-78-034-4	Sequence 4, Appli
	36.2	1.5	432	3	PCT-US92-08328-4	Sequence 4, Appli
	36.2	1.5	433	3	US-08-845-258-11	Sequence 11, Appli
	36.2	1.5	434	3	US-08-90-539-333D-187	Sequence 11, Appli
	36.2	1.5	435	3	US-08-9227-552B-1	Sequence 11, Appli
	36.2	1.5	436	3	US-09-52B-184A-11	Sequence 11, Appli
	36.2	1.5	437	3	US-09-915-815-16	Sequence 11, Appli
	36.2	1.5	438	3	US-09-915-998A-11	Sequence 11, Appli
	36.2	1.5	439	3	US-09-004-056-1	Sequence 1, Appli
	36.2	1.5	440	3	US-09-976-594-679	Sequence 679, Appli
	36.2	1.5	441	3	US-09-539-333D-187	Sequence 11, Appli
	36.2	1.5	442	3	US-09-227-552B-1	Sequence 11, Appli
	36.2	1.5	443	3	US-09-915-815-16	Sequence 11, Appli
	36.2	1.5	444	3	US-09-915-998A-11	Sequence 11, Appli
	36.2	1.5	445	3	US-09-915-815-22	Sequence 22, Appli
	36.2	1.5	446	3	US-09-915-815-20	Sequence 20, Appli
	36.2	1.5	447	3	US-09-915-815-21	Sequence 21, Appli
	36.2	1.5	448	3	US-09-725-735A-13	Sequence 13, Appli
	36.2	1.5	449	3	US-09-056-075-1	Sequence 1, Appli
	36.2	1.5	450	3	US-08-32-463-14	Sequence 14, Appli
	36.2	1.5	451	3	US-08-95-171E-96	Sequence 96, Appli
	36.2	1.5	452	3	US-10-204-708-45	Sequence 45, Appli
	36.2	1.5	453	3	US-08-781-891-209	Sequence 209, Appli
	36.2	1.5	454	3	US-09-621-976-1060	Sequence 32, Appli
	36.2	1.5	455	3	US-07-901-867B-32	Sequence 32, Appli
	36.2	1.5	456	3	US-08-54-332-32	Sequence 32, Appli
	36.2	1.5	457	3	US-09-134-001C-330	Sequence 32, Appli
	36.2	1.5	458	3	US-09-621-976-1060	Sequence 1060, Appli
	36.2	1.5	459	3	US-09-621-976-1060	Sequence 32, Appli
	36.2	1.5	460	3	US-09-621-976-1060	Sequence 32, Appli
	36.2	1.5	461	3	US-09-621-976-1060	Sequence 32, Appli
	36.2	1.5	462	3	US-09-543-681A-2648	Sequence 9, Appli
	36.2	1.5	463	3	US-09-543-681A-2648	Sequence 9, Appli
	36.2	1.5	464	3	US-08-119-937-9	Sequence 9, Appli
	36.2	1.5	465	3	PCT-US93-111310-9	Sequence 9, Appli

Search completed: June 29, 2004, 22:06:54
Job time : 221 secs

Result No.	Score	Query	Match	Length	DB	ID	Description
1	1992	Genecore version 5.1.6					Sequence 38, App1
2	1793	Copyright (C) 1993 - 2004 Compugen Ltd.					Sequence 35, App1
3	3	OM protein - nucleic search, using frame_plus_p2n model					Sequence 372, App
4	949	Run on: June 29, 2004, 18:51:04 ; search time 77 seconds (without alignments)					Sequence 228, App
5	949	Perfect score: 1992	Title: 1 MKEYVLLFLACSAKEFFS.....DATERCYLSRMSVQLQSNFGM 379	2731.512	Million cell updates/sec		Sequence 1, App1
6	949	Sequence: Blosum62	Xgapext 10.0 ; Ygapext 0.5	27	2731.512		Sequence 1, App1
7	949	Xgapext 10.0 ; Ygapext 0.5	Fgapext 6.0 ; Fgapext 7.0	27	2731.512		Sequence 27, App1
8	949	DeIop 6.0 ; DeIext 7.0					Sequence 27, App1
9	907	Searched: 682709 seqs, 277475446 residues	Total number of hits satisfying chosen parameters: 1365418				Sequence 38, App1
10	847	Minimum DB seq length: 0					Sequence 35, App1
11	776	Maximum DB seq length: 2000000000					Sequence 372, App
12	616	Post-processing: Minimum Match 100%					Sequence 1, App1
13	493	Post-processing: Maximum Match 100%					Sequence 169, App
14	384.5	Listing first 500 summaries					Sequence 1, App1
15	340.5	*					Sequence 1, App1
16	336	Command line parameters:					Sequence 1, App1
17	336	-MODEL:frame+P2N -model -DEV=k1p					Sequence 1, App1
18	336	-Q=/egn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
19	336	-DB=ISSUED_Patents_NA -QFMT=fastap -SUFFIX=p2n.rnii -LOOPCL=0					Sequence 1, App1
20	336	-LOOPCL=0 -UNITS=51s -SPART=1 -END=-1 -MATRIX=biosum62 -TRANS=human40_cddi					Sequence 1, App1
21	329	-LIST=500 -DOCALLIGN=0 -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000					Sequence 1, App1
22	329	-MODE=LOCAL -OUTFMT=pio -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=0					Sequence 1, App1
23	329	-USER:US09344884 -@CGN 1..105 @runat 29062004 10150226405 -ICPU=3					Sequence 1, App1
24	317	-NO_MMW -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG					Sequence 1, App1
25	316	-DEV TIMEOUT=120 -WARN TIMEOUT=0 -THREADS=1 -XGAPEXT=0.5 -FGAPOP=6					Sequence 1, App1
26	316	-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DEIOP=6 -DEIEXT=7					Sequence 1, App1
27	313.5	Database : Issued_Patents_NA: *					Sequence 1, App1
28	313.5	1: /cggn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
29	309	2: /cggn2_6/ptooata/2/ina/5B -COMB.seq:*					Sequence 1, App1
30	269	3: /cggn2_6/ptooata/2/ina/6A -COMB.seq:*					Sequence 1, App1
31	262	4: /cggn2_6/ptooata/2/ina/6B -COMB.seq:*					Sequence 1, App1
32	262	5: /cggn2_6/ptooata/2/ina/PCITSUS.COMB.seq:*					Sequence 1, App1
33	262	6: /cggn2_6/ptooata/2/ina/backfile1.seq:*					Sequence 1, App1
34	262	*					Sequence 1, App1
35	262	Command line parameters:					Sequence 1, App1
36	259.5	-MODEL:frame+P2N -model -DEV=k1p					Sequence 1, App1
37	256.5	-Q=/egn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
38	256.5	-DB=ISSUED_Patents_NA -QFMT=fastap -SUFFIX=p2n.rnii -LOOPCL=0					Sequence 1, App1
39	256.5	-LOOPCL=0 -UNITS=51s -SPART=1 -END=-1 -MATRIX=biosum62 -TRANS=human40_cddi					Sequence 1, App1
40	256.5	-LIST=500 -DOCALLIGN=0 -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000					Sequence 1, App1
41	253.5	-MODE=LOCAL -OUTFMT=pio -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=0					Sequence 1, App1
42	253.5	-USER:US09344884 -@CGN 1..105 @runat 29062004 10150226405 -ICPU=3					Sequence 1, App1
43	253.5	-NO_MMW -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG					Sequence 1, App1
44	252.5	-DEV TIMEOUT=120 -WARN TIMEOUT=0 -THREADS=1 -XGAPEXT=0.5 -FGAPOP=6					Sequence 1, App1
45	252.5	-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DEIOP=6 -DEIEXT=7					Sequence 1, App1
46	252.5	Database : Issued_Patents_NA: *					Sequence 1, App1
47	251.5	1: /cggn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
48	251.5	2: /cggn2_6/ptooata/2/ina/5B -COMB.seq:*					Sequence 1, App1
49	251.5	3: /cggn2_6/ptooata/2/ina/6A -COMB.seq:*					Sequence 1, App1
50	242.5	4: /cggn2_6/ptooata/2/ina/6B -COMB.seq:*					Sequence 1, App1
51	242.5	5: /cggn2_6/ptooata/2/ina/PCITSUS.COMB.seq:*					Sequence 1, App1
52	242.5	6: /cggn2_6/ptooata/2/ina/backfile1.seq:*					Sequence 1, App1
53	242.5	*					Sequence 1, App1
54	242.5	Command line parameters:					Sequence 1, App1
55	242.5	-MODEL:frame+P2N -model -DEV=k1p					Sequence 1, App1
56	242.5	-Q=/egn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
57	242.5	-DB=ISSUED_Patents_NA -QFMT=fastap -SUFFIX=p2n.rnii -LOOPCL=0					Sequence 1, App1
58	241	-LOOPCL=0 -UNITS=51s -SPART=1 -END=-1 -MATRIX=biosum62 -TRANS=human40_cddi					Sequence 1, App1
59	241	-LIST=500 -DOCALLIGN=0 -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000					Sequence 1, App1
60	239	-MODE=LOCAL -OUTFMT=pio -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=0					Sequence 1, App1
61	239	-USER:US09344884 -@CGN 1..105 @runat 29062004 10150226405 -ICPU=3					Sequence 1, App1
62	239	-NO_MMW -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG					Sequence 1, App1
63	239	-DEV TIMEOUT=120 -WARN TIMEOUT=0 -THREADS=1 -XGAPEXT=0.5 -FGAPOP=6					Sequence 1, App1
64	236	-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DEIOP=6 -DEIEXT=7					Sequence 1, App1
65	236	Database : Issued_Patents_NA: *					Sequence 1, App1
66	236	1: /cggn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
67	235.5	2: /cggn2_6/ptooata/2/ina/5B -COMB.seq:*					Sequence 1, App1
68	232	3: /cggn2_6/ptooata/2/ina/6A -COMB.seq:*					Sequence 1, App1
69	228	4: /cggn2_6/ptooata/2/ina/6B -COMB.seq:*					Sequence 1, App1
70	223.5	5: /cggn2_6/ptooata/2/ina/PCITSUS.COMB.seq:*					Sequence 1, App1
71	223	6: /cggn2_6/ptooata/2/ina/backfile1.seq:*					Sequence 1, App1
72	223	*					Sequence 1, App1
73	222	Command line parameters:					Sequence 1, App1
74	221	-MODEL:frame+P2N -model -DEV=k1p					Sequence 1, App1
75	221	-Q=/egn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
76	220	-DB=ISSUED_Patents_NA -QFMT=fastap -SUFFIX=p2n.rnii -LOOPCL=0					Sequence 1, App1
77	219	-LOOPCL=0 -UNITS=51s -SPART=1 -END=-1 -MATRIX=biosum62 -TRANS=human40_cddi					Sequence 1, App1
78	219	-LIST=500 -DOCALLIGN=0 -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000					Sequence 1, App1
79	219	-MODE=LOCAL -OUTFMT=pio -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=0					Sequence 1, App1
80	217.5	-USER:US09344884 -@CGN 1..105 @runat 29062004 10150226405 -ICPU=3					Sequence 1, App1
81	215	-NO_MMW -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG					Sequence 1, App1
82	213	-DEV TIMEOUT=120 -WARN TIMEOUT=0 -THREADS=1 -XGAPEXT=0.5 -FGAPOP=6					Sequence 1, App1
83	213	-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DEIOP=6 -DEIEXT=7					Sequence 1, App1
84	208.5	Database : Issued_Patents_NA: *					Sequence 1, App1
85	207.5	1: /cggn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
86	207.5	2: /cggn2_6/ptooata/2/ina/5B -COMB.seq:*					Sequence 1, App1
87	207.5	3: /cggn2_6/ptooata/2/ina/6A -COMB.seq:*					Sequence 1, App1
88	207.5	4: /cggn2_6/ptooata/2/ina/6B -COMB.seq:*					Sequence 1, App1
89	207.5	5: /cggn2_6/ptooata/2/ina/PCITSUS.COMB.seq:*					Sequence 1, App1
90	207.5	6: /cggn2_6/ptooata/2/ina/backfile1.seq:*					Sequence 1, App1
91	207.5	*					Sequence 1, App1
92	207.5	Command line parameters:					Sequence 1, App1
93	207.5	-MODEL:frame+P2N -model -DEV=k1p					Sequence 1, App1
94	207.5	-Q=/egn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
95	207.5	-DB=ISSUED_Patents_NA -QFMT=fastap -SUFFIX=p2n.rnii -LOOPCL=0					Sequence 1, App1
96	207.5	-LOOPCL=0 -UNITS=51s -SPART=1 -END=-1 -MATRIX=biosum62 -TRANS=human40_cddi					Sequence 1, App1
97	207.5	-LIST=500 -DOCALLIGN=0 -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000					Sequence 1, App1
98	207.5	-MODE=LOCAL -OUTFMT=pio -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=0					Sequence 1, App1
99	207.5	-USER:US09344884 -@CGN 1..105 @runat 29062004 10150226405 -ICPU=3					Sequence 1, App1
100	207.5	-NO_MMW -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG					Sequence 1, App1
101	207.5	-DEV TIMEOUT=120 -WARN TIMEOUT=0 -THREADS=1 -XGAPEXT=0.5 -FGAPOP=6					Sequence 1, App1
102	207.5	-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DEIOP=6 -DEIEXT=7					Sequence 1, App1
103	207.5	Database : Issued_Patents_NA: *					Sequence 1, App1
104	207.5	1: /cggn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
105	207.5	2: /cggn2_6/ptooata/2/ina/5B -COMB.seq:*					Sequence 1, App1
106	207.5	3: /cggn2_6/ptooata/2/ina/6A -COMB.seq:*					Sequence 1, App1
107	207.5	4: /cggn2_6/ptooata/2/ina/6B -COMB.seq:*					Sequence 1, App1
108	207.5	5: /cggn2_6/ptooata/2/ina/PCITSUS.COMB.seq:*					Sequence 1, App1
109	207.5	6: /cggn2_6/ptooata/2/ina/backfile1.seq:*					Sequence 1, App1
110	207.5	*					Sequence 1, App1
111	207.5	Command line parameters:					Sequence 1, App1
112	207.5	-MODEL:frame+P2N -model -DEV=k1p					Sequence 1, App1
113	207.5	-Q=/egn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
114	207.5	-DB=ISSUED_Patents_NA -QFMT=fastap -SUFFIX=p2n.rnii -LOOPCL=0					Sequence 1, App1
115	207.5	-LOOPCL=0 -UNITS=51s -SPART=1 -END=-1 -MATRIX=biosum62 -TRANS=human40_cddi					Sequence 1, App1
116	207.5	-LIST=500 -DOCALLIGN=0 -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000					Sequence 1, App1
117	207.5	-MODE=LOCAL -OUTFMT=pio -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=0					Sequence 1, App1
118	207.5	-USER:US09344884 -@CGN 1..105 @runat 29062004 10150226405 -ICPU=3					Sequence 1, App1
119	207.5	-NO_MMW -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG					Sequence 1, App1
120	207.5	-DEV TIMEOUT=120 -WARN TIMEOUT=0 -THREADS=1 -XGAPEXT=0.5 -FGAPOP=6					Sequence 1, App1
121	207.5	-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DEIOP=6 -DEIEXT=7					Sequence 1, App1
122	207.5	Database : Issued_Patents_NA: *					Sequence 1, App1
123	207.5	1: /cggn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
124	207.5	2: /cggn2_6/ptooata/2/ina/5B -COMB.seq:*					Sequence 1, App1
125	207.5	3: /cggn2_6/ptooata/2/ina/6A -COMB.seq:*					Sequence 1, App1
126	207.5	4: /cggn2_6/ptooata/2/ina/6B -COMB.seq:*					Sequence 1, App1
127	207.5	5: /cggn2_6/ptooata/2/ina/PCITSUS.COMB.seq:*					Sequence 1, App1
128	207.5	6: /cggn2_6/ptooata/2/ina/backfile1.seq:*					Sequence 1, App1
129	207.5	*					Sequence 1, App1
130	207.5	Command line parameters:					Sequence 1, App1
131	207.5	-MODEL:frame+P2N -model -DEV=k1p					Sequence 1, App1
132	207.5	-Q=/egn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
133	207.5	-DB=ISSUED_Patents_NA -QFMT=fastap -SUFFIX=p2n.rnii -LOOPCL=0					Sequence 1, App1
134	207.5	-LOOPCL=0 -UNITS=51s -SPART=1 -END=-1 -MATRIX=biosum62 -TRANS=human40_cddi					Sequence 1, App1
135	207.5	-LIST=500 -DOCALLIGN=0 -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000					Sequence 1, App1
136	207.5	-MODE=LOCAL -OUTFMT=pio -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=0					Sequence 1, App1
137	207.5	-USER:US09344884 -@CGN 1..105 @runat 29062004 10150226405 -ICPU=3					Sequence 1, App1
138	207.5	-NO_MMW -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG					Sequence 1, App1
139	207.5	-DEV TIMEOUT=120 -WARN TIMEOUT=0 -THREADS=1 -XGAPEXT=0.5 -FGAPOP=6					Sequence 1, App1
140	207.5	-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DEIOP=6 -DEIEXT=7					Sequence 1, App1
141	207.5	Database : Issued_Patents_NA: *					Sequence 1, App1
142	207.5	1: /cggn2_6/ptooata/2/ina/5A -COMB.seq:*					Sequence 1, App1
14							

C	86	206.5	10.4	690	4	US-09-833-381-1380	Sequence 1380, App	Sequence 5, Appli
C	87	202.2	10.1	6703	4	US-09-331-403-1	Sequence 1, App	Sequence 1, Appli
C	88	199.5	10.0	7452	3	US-08-592-500-1	Sequence 1, App	Sequence 1, Appli
C	89	199.5	10.0	7452	3	US-08-195-006-1	Sequence 1, App	Sequence 1, Appli
C	90	199.5	10.0	7452	5	PCT-US94-0764A-1	Sequence 1, App	Sequence 1, Appli
C	91	199.5	10.0	541	4	US-09-833-381-1382	Sequence 1096, App	Sequence 1, Appli
C	92	198.5	10.0	2480	4	US-09-023-655-1096	Sequence 1, App	Sequence 1, Appli
C	93	198.5	9.8	906	1	US-07-817-852A-1	Sequence 1, App	Sequence 1, Appli
C	94	199.5	9.8	906	1	US-08-470-137-1	Sequence 1, App	Sequence 1, Appli
C	95	193.5	9.7	647	4	US-09-225-575-81	Sequence 81, App	Sequence 81, Appli
C	96	193.5	9.7	647	4	US-09-389-681-81	Sequence 81, App	Sequence 81, Appli
C	97	193.5	9.7	647	4	US-09-620-405B-81	Sequence 81, App	Sequence 81, Appli
C	103	191	9.6	8722	4	US-09-221-017B-263	Sequence 81, App	Sequence 81, Appli
C	104	188	9.4	4203	2	US-08-866-575-71	Sequence 1, App	Sequence 1, Appli
C	105	188	9.4	4203	3	US-09-153-593-1	Sequence 1, App	Sequence 1, Appli
C	106	185	9.3	4250	4	US-09-106-594-6	Sequence 6, App	Sequence 6, Appli
C	107	184.5	9.3	4250	4	US-09-705-1634	Sequence 1634, App	Sequence 1634, Appli
C	108	184.5	9.3	447	4	US-09-736-1634	Sequence 1634, App	Sequence 1634, Appli
C	109	184.5	9.3	447	4	US-09-514-124B-1634	Sequence 1634, App	Sequence 1634, Appli
C	110	184.5	9.3	447	4	US-09-711-315-1634	Sequence 1634, App	Sequence 1634, Appli
C	111	184	9.2	460	4	US-09-833-381-878	Sequence 878, App	Sequence 878, Appli
C	112	182.5	9.2	2555	4	US-09-866-028-68	Sequence 68, App	Sequence 68, Appli
C	113	181	9.1	2241	5	PCT-US95-10509-1	Sequence 1, App	Sequence 1, Appli
C	114	181	9.1	4062	4	US-09-620-312D-348	Sequence 348, App	Sequence 348, Appli
C	115	180.5	9.1	2755	4	US-09-907-794A-90	Sequence 90, App	Sequence 90, Appli
C	116	180.5	9.1	2755	4	US-09-060-122A-90	Sequence 90, App	Sequence 90, Appli
C	117	180.5	9.1	2755	4	US-09-902-775A-90	Sequence 90, App	Sequence 90, Appli
C	118	177.5	8.9	505	4	US-09-833-381-563	Sequence 563, App	Sequence 563, Appli
C	119	176	8.8	2582	2	US-08-514-014-3	Sequence 3, App	Sequence 3, Appli
C	120	176	8.8	2582	2	US-08-833-823-3	Sequence 3, App	Sequence 3, Appli
C	121	176	8.8	2775	1	US-08-730-771-1	Sequence 1, App	Sequence 1, Appli
C	122	176	8.8	2775	3	US-09-060-208-1	Sequence 90, App	Sequence 90, Appli
C	123	175	8.8	6318	4	US-09-221-017B-1118	Sequence 1118, App	Sequence 1118, Appli
C	124	174	8.7	3573	3	US-09-353-585-4	Sequence 4, App	Sequence 4, Appli
C	125	174	8.7	5199	4	US-09-620-312D-40	Sequence 40, App	Sequence 40, Appli
C	126	174	8.7	6471	3	US-09-353-585-1	Sequence 15, App	Sequence 15, Appli
C	127	173.5	8.7	1416	4	US-09-833-805-56	Sequence 859, App	Sequence 859, Appli
C	128	173	8.7	1616	4	US-08-442-063A-56	Sequence 56, App	Sequence 56, Appli
C	129	172	8.6	514	3	US-09-188-930-5	Sequence 5, App	Sequence 5, Appli
C	130	172	8.6	514	4	US-09-312C-5	Sequence 5, App	Sequence 5, Appli
C	131	170.5	8.6	3090	3	US-09-945-883-1	Sequence 1, App	Sequence 1, Appli
C	132	169	8.5	491	4	US-09-833-381-1371	Sequence 1371, App	Sequence 1371, Appli
C	133	169	8.5	4123	3	US-09-180-439-7	Sequence 7, App	Sequence 7, Appli
C	134	168	8.4	540	4	US-09-833-381-1395	Sequence 1395, App	Sequence 1395, Appli
C	135	168	8.4	2352	2	US-08-889-909A-21	Sequence 21, App	Sequence 21, Appli
C	141	163	8.2	168	1	US-08-142-063A-59	Sequence 59, App	Sequence 59, Appli
C	142	163	8.2	3541	3	US-09-180-439-5	Sequence 5, App	Sequence 5, Appli
C	143	161.5	8.4	2352	4	US-09-982-408B-21	Sequence 21, App	Sequence 21, Appli
C	144	161.5	8.4	3921	2	US-08-666-271-4	Sequence 3, App	Sequence 3, Appli
C	150	160	8.1	3905	2	US-08-587-680A-3	Sequence 562, App	Sequence 562, Appli
C	151	155	8.1	5992	2	US-08-475-891A-3	Sequence 1398, App	Sequence 1398, Appli
C	152	150.5	7.6	526	4	US-09-907-794A-184	Sequence 184, App	Sequence 184, Appli
C	153	150	7.5	484	4	US-09-905-122A-184	Sequence 184, App	Sequence 184, Appli
C	154	149	7.5	1947	4	US-09-902-775A-184	Sequence 184, App	Sequence 184, Appli
C	155	149	7.5	2122	4	US-09-169-768-13	Sequence 1392, App	Sequence 1392, Appli
C	156	149	7.5	6256	2	US-08-575-891A-1	Sequence 1, App	Sequence 1, Appli
C	157	149	7.5	6256	2	US-08-567-375-1	Sequence 1, App	Sequence 1, Appli
C	158	149	7.5	6256	2	US-08-587-680A-1	Sequence 1, App	Sequence 1, Appli

C	159	147.5	7.4	3340	4	US-09-228-986-5	Sequence 5, App	Sequence 5, Appli
C	160	147.5	7.3	4597	4	US-09-221-01B-1093	Sequence 1, App	Sequence 1, Appli
C	161	145.5	7.3	536165	4	US-09-214-808-1	Sequence 1, App	Sequence 1, Appli
C	162	145.5	7.3	1316	7.1	US-08-446-576-1	Sequence 1, App	Sequence 1, Appli
C	163	140.5	7.1	2179	1	US-08-481-888-1	Sequence 1, App	Sequence 1, Appli
C	164	140.5	7.1	2179	2	US-08-531-070A-1	Sequence 1, App	Sequence 1, Appli
C	165	140.5	7.1	2179	4	US-08-482-986-1	Sequence 1, App	Sequence 1, Appli
C	166	140.5	7.1	2179	4	US-08-474-986-1	Sequence 1, App	Sequence 1, Appli
C	167	140.5	7.1	2179	4	US-08-474-986-1	Sequence 1, App	Sequence 1, Appli
C	168	139.5	7.0	2393	4	US-09-016-434-1209	Sequence 2, App	Sequence 2, Appli
C	169	138.5	7.0	1019	1	US-08-225-107-2	Sequence 3, App	Sequence 3, Appli
C	170	138.5	7.0	1330	4	US-09-318-141-33	Sequence 3, App	Sequence 3, Appli
C	171	138.5	7.0	1330	4	US-09-620-312D-255	Sequence 7, App	Sequence 7, Appli
C	172	138	6.9	3401	4	US-09-905-125A-70	Sequence 70, App	Sequence 70, Appli
C	173	138	6.9	3401	4	US-09-902-775A-249	Sequence 70, App	Sequence 70, Appli
C	174	138	6.9	3401	4	US-09-933-381-1364	Sequence 1364, App	Sequence 1364, Appli
C	175	136.5	6.9	1958	4	US-09-036-582-33	Sequence 113, App	Sequence 113, Appli
C	176	136.5	6.9	2329	4	US-09-620-312D-54	Sequence 9, App	Sequence 9, Appli
C	177	136	6.8	6470	4	US-09-620-312D-54	Sequence 1373, App	Sequence 1373, Appli
C	178	135.5	6.8	1305	4	US-09-907-794A-249	Sequence 7, App	Sequence 7, Appli
C	179	135.5	6.8	1305	4	US-09-125A-70	Sequence 70, App	Sequence 70, Appli
C	180	135.5	6.8	1305	4	US-09-902-775A-70	Sequence 70, App	Sequence 70, Appli
C	181	135.5	6.8	1305	4	US-09-620-312D-54	Sequence 14, App	Sequence 14, Appli
C	182	135	6.8	1305	4	US-09-228-886-9	Sequence 14, App	Sequence 14, Appli
C	183	134	6.7	3330	4	US-09-833-381-1379	Sequence 1379, App	Sequence 1379, Appli
C	184	134	6.7	3382	4	US-09-513-505-7	Sequence 13, App	Sequence 13, Appli
C	185	129.5	6.5	3837	4	US-09-134-000C-2954	Sequence 2954, App	Sequence 2954, Appli
C	186	129.5	6.5	3837	4	US-10-042-810-3	Sequence 14, App	Sequence 14, Appli
C	187	129.5	6.5	4068	4	US-10-042-810-5	Sequence 15, App	Sequence 15, Appli
C	188	129.5	6.5	4068	4	US-09-513-505-5	Sequence 64, App	Sequence 64, Appli
C	189	129.5	6.5	4068	4	US-09-288-930-64	Sequence 20, App	Sequence 20, Appli
C	190	129.5	6.4	982	4	US-09-592-916B-20	Sequence 12, App	Sequence 12, Appli
C	191	127	6.4	1884	4	US-09-620-312D-255	Sequence 9, App	Sequence 9, Appli
C	192	126	6.3	2199	4	US-09-757-312D-9	Sequence 12, App	Sequence 12, Appli
C	193	125.5	6.3	2022	3	US-09-232-160-12	Sequence 14, App	Sequence 14, Appli
C	194	125	6.3	2481	3	US-08-244-666-14	Sequence 15, App	Sequence 15, Appli
C	195	125.5	6.3	2481	4	US-09-188-930-64	Sequence 14, App	Sequence 14, Appli
C	196	125.5	6.3	2481	4	US-09-128-930-64	Sequence 14, App	Sequence 14, Appli
C	197	125	6.3	2481	4	US-09-461-657B-15	Sequence 15, App	Sequence 15, Appli
C	198	125	6.3	2481	4	US-09-188-930-64	Sequence 14, App	Sequence 14, Appli
C	199	125	6.3	2481	4	US-09-188-930-64	Sequence 14, App	Sequence 14, Appli
C	200	125	6.3	2022	4	US-09-228-930-64	Sequence 14, App	Sequence 14, Appli
C	201	125	6.3	2481	4	US-09-257-073-4	Sequence 14, App	Sequence 14, Appli
C	202	125	6.3	2912	4	US-09-461-657B-12	Sequence 12, App	Sequence 12, Appli
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C	207	123.5	6.2	3420	4	US-09-221-073-1	Sequence 1, App	Sequence 1, Appli
C	208	123	6.2	3420	4	US-09-833-381-1402	Sequence 1, App	Sequence 1, Appli
C	209	123	6.2	3478	4	US-09-513-505-3	Sequence 1, App	Sequence 1, Appli
C	210	123	6.2	5733	4	US-09-473-553A-1	Sequence 406, App	Sequence 406, Appli
C	211	122	6.2	2112	4	US-09-023-655-112	Sequence 152, App	Sequence 152, Appli
C	212	122	6.1	2112	4	US-09-228-986-2	Sequence 908, App	Sequence 908, Appli
C	213	121	6.1	2112	4	US-09-033-381-908	Sequence 1099, App	Sequence 1099, Appli
C	214	120	6.1	4094	4	US-09-620-312D-1099	Sequence 1402, App	Sequence 1402, Appli
C	215	118	5.9	55827	4	US-09-813-133A-3	Sequence 1357, App	Sequence 1357, Appli
C	216	117.5	5.9	902	4	US-09-228-986-4		

232	110.5	585	4	US-09-833-381-564	Sequence 564, App	Sequence 16, App1	
233	110.5	1371	2	US-09-910-731-7	Sequence 7, App1	Sequence 16, App1	
234	110.5	5.5	1374	2	US-09-795-395-3	Sequence 3, App1	Sequence 22, App1
235	110.5	5.5	1374	2	US-09-795-395-3	Sequence 3, App1	Sequence 22, App1
236	110	350	4	US-09-833-381-147	Sequence 147, App	Sequence 2, App1	
237	110	350	4	US-09-833-381-148	Sequence 148, App	Sequence 6, App1	
238	109.5	5.5	2179	4	US-09-620-312D-18	Sequence 78, App1	Sequence 6, App1
239	108.5	5.4	4599	1	US-09-431-080-27	Sequence 27, App1	Sequence 6, App1
240	108.5	5.4	4599	5	US-09-938-342-27	Sequence 27, App1	Sequence 6, App1
241	108.5	5.4	4599	4	US-09-345-394-27	Sequence 27, App1	Sequence 480, App
242	108	5.4	851	4	US-09-833-281-1361	Sequence 1361, App	Sequence 4, App1
243	108	5.4	1858	2	US-08-359-705B-7	Sequence 7, App1	Sequence 17, App1
244	108	5.4	1858	2	US-08-286-46A2-7	Sequence 7, App1	Sequence 16, App1
245	108	5.4	1858	2	US-08-457-380A-7	Sequence 7, App1	Sequence 1, App1
246	108	5.4	1858	3	US-08-442-622A-7	Sequence 7, App1	Sequence 13, App1
247	108	5.4	1858	3	US-08-342-562-7	Sequence 7, App1	Sequence 11, App1
248	108	5.4	1858	3	US-09-156-923-7	Sequence 13, App1	Sequence 358, App
249	108	5.4	2513	4	US-09-288-986-13	Sequence 5, App1	Sequence 200, App
250	108	5.4	2715	2	US-08-359-705B-5	Sequence 5, App1	Sequence 571, App
251	108	5.4	2715	2	US-08-286-846A-5	Sequence 5, App1	Sequence 2060, App
252	108	5.4	2715	2	US-08-457-380A-5	Sequence 5, App1	Sequence 1406, App
253	108	5.4	2715	3	US-08-442-622A-5	Sequence 5, App1	Sequence 2028, App
254	108	5.4	2715	3	US-08-342-562-5	Sequence 5, App1	Sequence 9, App1
255	107	5.4	2715	3	US-09-156-923-5	Sequence 555, App	Sequence 21, App1
256	107.5	5.4	465	4	US-09-833-381-555	Sequence 3, App1	Sequence 8, App1
257	107.5	5.4	2518	3	US-09-433-699-3	Sequence 1, App1	Sequence 305, App
258	107.5	5.4	1664376	4	US-08-916-421B-1	Sequence 1377, App	Sequence 73, App1
259	107	5.4	817	4	US-09-833-381-1377	Sequence 65, App1	Sequence 5, App1
260	107	5.4	1001	4	US-09-461-325-65	Sequence 65, App1	Sequence 2, App1
261	107	5.4	1001	4	US-10-014-542-65	Sequence 11, App1	Sequence 2, App1
262	107	5.4	3097	4	US-09-228-986-15	Sequence 2093, App	Sequence 2, App1
263	107	5.4	58407	4	US-08-916-421B-2	Sequence 2, App1	Sequence 2, App1
264	106.5	5.3	2413	4	US-09-016-434-1469	Sequence 1469, App	Sequence 1451, A
265	106	5.3	472	4	US-09-833-381-1751	Sequence 1751, App	Sequence 2, App1
266	106	5.3	2526	1	US-07-912-952-1	Sequence 65, App1	Sequence 2, App1
c 267	106	5.3	34001	4	US-09-596-002-18	Sequence 18, App1	Sequence 2, App1
268	105	5.3	2601	4	US-09-134-001C-2093	Sequence 2093, App	Sequence 2, App1
269	105	5.3	1332	4	US-09-543-681A-819	Sequence 819, App	Sequence 2, App1
270	105	5.3	8920	2	US-08-446-655A-1	Sequence 1, App1	Sequence 3, App1
271	105	5.3	8920	3	US-09-150-741-1	Sequence 1, App1	Sequence 3, App1
272	104.5	5.2	1548	4	US-09-453-702B-86	Sequence 86, App1	Sequence 3, App1
273	104.5	5.2	34006	4	US-09-904-615-43	Sequence 43, App1	Sequence 3, App1
c 274	104.5	5.2	7664	4	US-10-204-708-83	Sequence 83, App1	Sequence 3, App1
275	104	5.2	1863	3	US-09-126-646-1	Sequence 57, App1	Sequence 1, App1
276	104	5.2	1863	4	US-09-421-491-1	Sequence 1, App1	Sequence 1218, App
277	103.5	5.2	3138	4	US-09-434-408-1	Sequence 1, App1	Sequence 1220, App
278	103	5.2	1058	1	US-08-238-163-1	Sequence 1, App1	Sequence 3, App1
279	103	5.2	1241	4	US-09-833-381-1401	Sequence 1401, App	Sequence 4, App1
280	103	5.2	2780	4	US-09-620-312D-558	Sequence 358, App	Sequence 3, App1
c 281	102.5	5.1	4417	3	US-07-741-433A-57	Sequence 57, App1	Sequence 1, App1
282	102	5.1	1005	5	US-08-910-731-5	Sequence 5, App1	Sequence 5, App1
283	102	5.1	580073	4	US-08-545-528D-1	Sequence 1, App1	Sequence 1, App1
284	101.5	5.1	412	4	US-09-331-1376	Sequence 1376, App	Sequence 1, App1
285	101	5.1	2686	4	US-09-228-966-3	Sequence 3, App1	Sequence 22, App1
c 286	101	5.1	4305	4	US-10-080-505-8	Sequence 8, App1	Sequence 3, App1
287	100.5	5.0	1371	2	US-08-910-731-1	Sequence 1, App1	Sequence 1, App1
288	100.5	5.0	1386	2	US-08-795-399-1	Sequence 5, App1	Sequence 32, App1
289	100	5.0	150	2	US-07-829-461A-8	Sequence 8, App1	Sequence 32, App1
290	100	5.0	390	3	US-09-197-649-7	Sequence 1376, App	Sequence 3, App1
c 291	100	5.0	666	4	US-09-545-216A-3	Sequence 3, App1	Sequence 3, App1
292	100	5.0	981	4	US-09-545-216A-1	Sequence 1, App1	Sequence 3, App1
293	100	5.0	5111	4	US-19-004-838-118	Sequence 118, App	Sequence 1, App1
294	99.5	5.0	401	4	US-09-381-286-32	Sequence 32, App1	Sequence 1, App1
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Search completed: June 29, 2004, 20:28:31
Job time : 91 secs

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OM Protein - protein search, using SW model

Run on: June 29, 2004, 11:48:53 ; Search time 23 Seconds

(Without alignments)
850.706 Million cell updates/sec

Title: US-09-944-884-2

Perfect score: 1992
Sequence: MREYVLLFLALCSAKPEFS.....PATFRCVLSRMSVQLGNFGM 379

Scoring table: BLOSUM62

Gapext 0.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters:

389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 10%

Listing first 500 summaries

Issued Patents AA:
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 7:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1799	90.3	373 4	US-09-803-030-3	US-08-158-834-3	530934	Sequence 43, Appli
3	1021	51.3	368 1	US-08-158-834-3	US-08-158-834-3	530934	Sequence 3, Appli
4	1020	51.3	368 1	US-08-158-834-3	US-08-158-834-3	530934	Sequence 3, Appli
5	1020	51.2	368 6	5340934-2	5340934-2	5340934	Patent No. 5340934
6	963.5	48.4	359 1	US-08-303-038-4	US-08-303-038-4	5340934	Sequence 4, Appli
7	963.5	48.4	359 3	US-08-158-834-4	US-08-158-834-4	5340934	Sequence 4, Appli
8	949	47.6	342 1	US-08-72-919-2	US-08-72-919-2	5340934	Sequence 2, Appli
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11	947	47.5	333 1	US-08-442-063A-27	US-08-442-063A-27	5340934	Sequence 27, Appli
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277	96.5	4.8	821	1	US-08-442-062A-30	Sequence 10, Appli	Sequence 10, Appli	Sequence 10, Ap	Sequence 10, Ap
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290	95	4.8	2285	4	US-09-308-375-2	Sequence 21, Appli	Sequence 21, Appli	Sequence 144, Ap	Sequence 144, Ap
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292	94.5	4.7	366	4	US-08-117-431-4	Sequence 6, Appli	Sequence 6, Appli	Sequence 6315, Ap	Sequence 6315, Ap
293	94.5	4.7	373	4	US-08-313-177-6	Sequence 4, Appli	Sequence 4, Appli	Sequence 1481, Ap	Sequence 1481, Ap
294	94.5	4.7	373	4	US-08-313-177-6	Sequence 4, Appli	Sequence 4, Appli	Sequence 4795, Ap	Sequence 4795, Ap
295	94.5	4.7	483	4	US-09-904-615-154	Sequence 154, Appli	Sequence 154, Appli	Sequence 51, Appli	Sequence 51, Appli
296	94.5	4.7	1140	4	US-09-651-656-21	Sequence 21, Appli	Sequence 21, Appli	Sequence 1484, Ap	Sequence 1484, Ap
297	94.5	4.7	1140	4	US-09-650-855-21	Sequence 21, Appli	Sequence 21, Appli	Sequence 1485, Ap	Sequence 1485, Ap
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Search completed: June 29, 2004, 11:58:32
Job time : 27 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 29, 2004, 11:56:28 ; Search time 49 Seconds

Perfect Score: 1992 2186.639 Million cell updates/SEC

Title: US-09-944-884-2
 Scoring table: BLOSUM62
 Perfect Score: 1992 Gapext 0.5

Sequence: MKKEYLFLALCSAKPFFS.....PATFRCVLRSRMSYQLGNFGM 379

Sequence: 1166195 seqs, 282705291 residues

Total number of hits satisfying chosen parameters: 1166195

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Maximum Match 0%

Maximum Match 100%

Listing First 500 summaries
 Published Applications AA:
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2: /cn2_6_ptodata/1/pubpa/us07_pubcomb.pep:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query %

No. Score Match Length DB ID

Description

Result No.	Score	Query %	No.	Score	Match	Length	DB	ID	Description
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2	1992	100.0	379	9	US-09-944-449-2	9	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
3	1992	100.0	379	9	US-09-944-457-2	9	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
4	1992	100.0	379	9	US-09-944-862-2	9	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
5	1992	100.0	379	9	US-09-945-58-2	9	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
6	1992	100.0	379	9	US-09-945-015-2	9	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
7	1992	100.0	379	9	US-09-944-395-2	9	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
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9	1992	100.0	379	9	US-09-944-432-2	9	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
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12	1992	100.0	379	9	US-09-945-851A-2	9	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli
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126	1992	100.0	379	14	US-10-128-684A-328	Sequence 328, APP	379	14	US-10-141-704-328
127	1992	100.0	379	14	US-10-128-686A-328	Sequence 328, APP	379	14	US-10-142-421-328
128	1992	100.0	379	14	US-10-128-690A-328	Sequence 328, APP	379	14	US-10-142-432-328
129	1992	100.0	379	14	US-10-128-691A-328	Sequence 328, APP	379	14	US-10-142-676-328
130	1992	100.0	379	14	US-10-131-819A-328	Sequence 328, APP	379	14	US-10-143-033-328
131	1992	100.0	379	14	US-10-131-829A-328	Sequence 328, APP	379	14	US-10-144-994-328
132	1992	100.0	379	14	US-10-131-836A-328	Sequence 328, APP	379	14	US-10-145-628-328
133	1992	100.0	379	14	US-10-132-735-328	Sequence 328, APP	379	14	US-10-145-876-328
134	1992	100.0	379	14	US-10-146-791-328	Sequence 328, APP	379	14	US-10-145-946-328
135	1992	100.0	379	14	US-10-147-884-328	Sequence 328, APP	379	14	US-10-146-948-328
136	1992	100.0	379	14	US-10-147-508-328	Sequence 328, APP	379	14	US-10-146-926-328
137	1992	100.0	379	14	US-10-147-511-328	Sequence 328, APP	379	14	US-10-147-570-328
138	1992	100.0	379	14	US-10-147-735-328	Sequence 328, APP	379	14	US-10-147-511-328
139	1992	100.0	379	14	US-10-146-729-328	Sequence 328, APP	379	14	US-10-147-501-328
140	1992	100.0	379	14	US-10-146-791-328	Sequence 328, APP	379	14	US-10-147-504-328
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142	1992	100.0	379	14	US-10-147-509-328	Sequence 328, APP	379	14	US-10-146-725-328
143	1992	100.0	379	14	US-10-147-818-328	Sequence 328, APP	379	14	US-10-146-795-328
144	1992	100.0	379	14	US-10-147-735-328	Sequence 328, APP	379	14	US-10-147-511-328
145	1992	100.0	379	14	US-10-146-749-328	Sequence 328, APP	379	14	US-10-147-505-328
146	1992	100.0	379	14	US-10-146-782-328	Sequence 328, APP	379	14	US-10-146-724-328
147	1992	100.0	379	14	US-10-147-905-328	Sequence 328, APP	379	14	US-10-146-725-328
148	1992	100.0	379	14	US-10-147-882A-328	Sequence 328, APP	379	14	US-10-146-726-328
149	1992	100.0	379	14	US-10-147-815-328	Sequence 328, APP	379	14	US-10-146-727-328
150	1992	100.0	379	14	US-10-123-922A-328	Sequence 328, APP	379	14	US-10-147-504-328
151	1992	100.0	379	14	US-10-147-492-328	Sequence 328, APP	379	14	US-10-147-504-328
152	1992	100.0	379	14	US-10-147-827A-328	Sequence 328, APP	379	14	US-10-147-506-328
153	1992	100.0	379	14	US-10-147-832A-328	Sequence 328, APP	379	14	US-10-147-509-328
154	1992	100.0	379	14	US-10-147-829A-328	Sequence 328, APP	379	14	US-10-147-510-328
155	1992	100.0	379	14	US-10-147-815A-328	Sequence 328, APP	379	14	US-10-147-511-328
156	1992	100.0	379	14	US-10-147-827A-328	Sequence 328, APP	379	14	US-10-147-512-328
157	1992	100.0	379	14	US-10-147-828A-328	Sequence 328, APP	379	14	US-10-147-513-328
158	1992	100.0	379	14	US-10-147-830A-328	Sequence 328, APP	379	14	US-10-147-514-328
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160	1992	100.0	379	14	US-10-147-833A-328	Sequence 328, APP	379	14	US-10-147-516-328
161	1992	100.0	379	14	US-10-147-834A-328	Sequence 328, APP	379	14	US-10-147-517-328

Wed Jun 30 11:13:50 20

Search completed: June 29, 2004, 12:03:28
Job time : 55 secs

GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: June 29, 2004, 20:27:15 ; (without alignments)

3796.111 Million cell updates/sec
Perfect score: 1992

Title: US-09-944-884-2
Sequence: MKEVYLLFLALCSAKPFFS.....PATERCVLSSLRMSVQLQNEGM 379

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 3031105 seqs, 229870234 residues

Total number of hits satisfying chosen parameters: 6062210

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 500 summaries

Command line parameters:
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-Q=/cn2_6/podata/p2n.spool/p/US0944-884/runat_29062004_101503_26438/app/query.fasta_1.519
-DB=Published_Applications_NA_QMFT=fastq -SUFFIX_P2N_INDB=MINIMATCH=0.1
-LOC_P2N=0 -LOC_PDB=0 -UNITS_bits=1 -START=1 -END=1 -MATRIX=b1sum62
-THR_MIN=0 -ALIGN_N=0 -MODE=LOCAL -OUTFORMAT=pro -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US0944-884 @cgn_1.723 @runat_29062004_101503_26438
-TRANS-human40_cdi -LIST=500 -DOALIGN=0 -WAIT=100 -DSBLOCK=100
-LONGLOG -DEV TIMEOUT=30 -WARN TIMEOUT=30 -THREADES=1 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -XGAPEXT=0.5 -DELTEXT=7

Published Applications NA.*

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19: /cgn2_6/podata/1/pubna/us60_pubcomb.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	Score	Query	Match	Length	DB	ID	Description
68	100.0	2454	15	US-10-123-108-327	Sequence	327, App	Sequence 327, App
69	100.0	2454	15	US-10-123-292-327	Sequence	327, App	Sequence 327, App
70	100.0	2454	15	US-10-124-819-327	Sequence	327, App	Sequence 327, App
71	100.0	2454	15	US-10-124-822-327	Sequence	327, App	Sequence 327, App
72	100.0	2454	15	US-10-124-822-327	Sequence	327, App	Sequence 327, App

92	100.0	2454	15	US-10-124-816-327
92	100.0	2454	15	US-10-124-820-327
92	100.0	2454	15	US-10-125-704-327
92	100.0	2454	15	US-10-125-927-327
92	100.0	2454	15	US-10-122-082-329
92	100.0	2454	15	US-10-142-889-327
92	100.0	2454	15	US-10-145-874-327
92	100.0	2454	15	US-10-147-497-327
92	100.0	2454	15	US-10-152-371-327
92	100.0	2454	15	US-10-152-374-327
92	100.0	2454	15	US-10-152-375-327
92	100.0	2454	15	US-10-152-377-327
92	100.0	2454	15	US-10-152-386-327
92	100.0	2454	15	US-10-152-391-327
92	100.0	2454	15	US-10-152-399-327
92	100.0	2454	15	US-10-156-848-327
92	100.0	2454	15	US-10-123-156-327
92	100.0	2454	15	US-10-157-785-327
92	100.0	2454	15	US-10-157-794-327
92	100.0	2454	15	US-10-157-805-327
92	100.0	2454	15	US-10-157-916-327
92	100.0	2454	15	US-10-160-900-327
92	100.0	2454	15	US-10-121-046-327
92	100.0	2454	15	US-10-123-114-327
92	100.0	2454	15	US-10-125-805-327
92	100.0	2454	15	US-10-124-821-327
92	100.0	2454	15	US-10-152-385-327
92	100.0	2454	15	US-10-153-393-327
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92	100.0	2454	15	US-10-153-841-327
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92	100.0	2454	15	US-10-156-845-327
92	100.0	2454	15	US-10-156-846-327
92	100.0	2454	15	US-10-121-048-327
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92	100.0	2454	15	US-10-121-063-327
92	100.0	2454	15	US-10-123-212-327
92	100.0	2454	15	US-10-123-213-327
92	100.0	2454	15	US-10-123-291-327
92	100.0	2454	15	US-10-123-322-327
92	100.0	2454	15	US-10-123-771-327
92	100.0	2454	15	US-10-124-911-327
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Sequence	327,	App	453	1992	100.0	2454	16	US-10-159-667-1
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Sequence	327,	App	476	1799	90.3	2305	15	US-10-152-661-574
Sequence	327,	App	477	1799	90.3	2357	15	US-10-130-130-1
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Sequence	327,	App	479	1385	69.5	1903	13	US-10-172-118-1694
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Sequence	327,	App	493	1034	51.9	6321	15	US-10-240-965-15
Sequence	327,	App	494	1034	51.9	6433	15	US-10-133-013-117
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Sequence	327,	App	499	94.8	47.6	4167	17	US-10-104-889-12
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Search completed: June 29, 2004, 22:03:03
Job time : 4666 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using bw model

Run on: June 29, 2004, 21:55:30 ; Search time 1004 Seconds
(without alignments)
11237.072 Million cell updates/sec

Title: US-09-944-884-1
Perfect score: 2454
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Scanned: 3031105 seqs, 2298700234 residues

Total number of hits satisfying chosen parameters:

6062210

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 500 summaries

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19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:/*

Pre. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
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2	2454	100.0	2454	9	US-09-944-449-1	Sequence 1, Appli
3	2454	100.0	2454	9	US-09-944-557-1	Sequence 1, Appli
4	2454	100.0	2454	9	US-09-945-587-1	Sequence 1, Appli
5	2454	100.0	2454	9	US-09-945-015-1	Sequence 1, Appli
6	2454	100.0	2454	9	US-09-944-596-1	Sequence 1, Appli
7	2454	100.0	2454	9	US-09-944-097-1	Sequence 1, Appli
8	2454	100.0	2454	9	US-09-944-432-1	Sequence 1, Appli
9	2454	100.0	2454	9	US-09-943-762-1	Sequence 1, Appli
10	2454	100.0	2454	9	US-09-944-654-1	Sequence 1, Appli
11	2454	100.0	2454	9	US-09-943-851A-1	Sequence 1, Appli
12	2454	100.0	2454	9	US-09-944-413-1	Sequence 1, Appli
13	2454	100.0	2454	9	US-09-944-403-1	Sequence 1, Appli
14	2454	100.0	2454	9	US-09-944-896-1	Sequence 1, Appli

380	2454	100.0	2454	15	US-10-156-848-327	Sequence 327, App	453	2454	100.0	2454	16	US-10-429-667-1
381	2454	100.0	2454	15	US-10-157-794-327	Sequence 327, App	454	2454	100.0	2454	16	US-10-140-020-327
382	2454	100.0	2454	15	US-10-157-796-327	Sequence 327, App	455	2454	100.0	2454	16	US-10-140-023-327
383	2454	100.0	2454	15	US-10-160-500-327	Sequence 327, App	456	2454	100.0	2454	16	US-10-140-809-327
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385	2454	100.0	2454	15	US-10-123-156-327	Sequence 327, App	458	2454	100.0	2454	16	US-10-141-701-327
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408	2454	100.0	2454	15	US-10-121-052-327	Sequence 327, App	481	2454	100.0	2454	16	Sequence 2, APP
409	2454	100.0	2454	15	US-10-121-053-327	Sequence 327, App	482	2454	100.0	2454	16	Sequence 44458, A
410	2454	100.0	2454	15	US-10-121-054-327	Sequence 327, App	483	2454	100.0	2454	16	Sequence 44457, A
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